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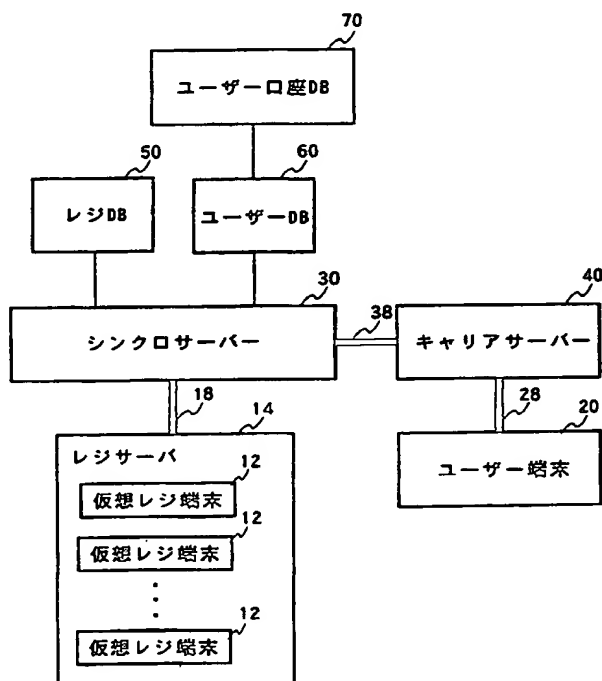
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- (22) 国際出願日: 2000年3月29日 (29.03.2000) (72) 発明者; および (75) 発明者/出願人(米国についてのみ): 中島啓一 (NAKAJIMA, Keiichi) [JP/JP]; 〒104-0032 東京都中央区八丁堀1-7-7 イーマークシステムズ株式会社内, Tokyo (JP).
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- (71) 出願人(米国を除く全ての指定国について): イーマークシステムズ株式会社 (E-MARK SYSTEMS INC.)

[続葉有]

(54) Title: ELECTRONIC SETTLEMENT SYSTEM, AND SETTLEMENT DEVICE AND TERMINAL

(54) 発明の名称: 電子決済システム、決済装置及び端末



70...USER ACCOUNT DB  
50...REGISTER DB  
60...USER DB  
30...SYNCHRONOUS SERVER

40...CARRIER SERVER  
14...REGISTER SERVER  
12...VIRTUAL REGISTER TERMINAL  
20...USER TERMINAL

(57) Abstract: A simple, safe electronic settlement system. A user terminal (20) such as a portable telephone is connected to a synchronous server (30) by radio. A register server (14) of a mail-order shop starts up a virtual register terminal (12) and connects it to the synchronous server (30) through a leased line. The synchronous server sets a trade identification number for identifying a trade and sends information about the register server and the trade identification number to the user terminal. The user confirms the register server and returns the trade identification number to the synchronous server. The synchronous server completes the settlement between the virtual register and user terminals correlated with each other by means of the trade identification number. The user can complete the settlement of the mail-order without allowing the mail-order shop to know the user's personal information including the credit card number and the password, and therefore the security is improved.

[続葉有]

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/02015

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G06F 19/00 // G06F 157:00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G06F19/00, G06F 17/60, G06F 15/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1926-1996 Jitsuyo Shinan Toroku Koho 1996-2000  
Kokai Jitsuyo Shinan Koho 1971-2000 Toroku Jitsuyo Shinan Koho 1994-2000

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 10-289267, A (Sony Communication Network K.K.), 27 October, 1998 (27.10.98) (Family: none) Fig. 24 (S159-S164)	1-29
Y	JP, 10-207946, A (Computer Consulting K.K.), 13 August, 1998 (13.08.98) (Family: none) Fig. 5 (208,210)	1-29
Y	WO, 98/21677, A1 (Matsushita Electric Ind. Co., Ltd.), 22 May, 1998 (22.05.98) & CN, 1212773, A & EP, 910028, A1 & JP, 10-198739, A Figs. 43, 36(b)(d)	1-29
Y	WO, 99/09502, A1 (Matsushita Electric Ind. Co., Ltd.), 25 February, 1999 (25.02.99) & AU, 98-86484, A1 & CN, 1246941, T & EP, 950968, A1 Figs. 84, 135(b)(d)	1-29
A	GIFFORD, David K et al, "Payment Switches for Open Networks",	1-29

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to
"A" document defining the general state of the art which is not considered to be of particular relevance	understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
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Authorized officer

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/02015

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>in Proceedings of the Third ACM Conference on Computer and Communications Security (COMPCON '95), pp. 26-31. page 28 (explanation of structure of payment URL)</p> <p>WO, 97/49074, A1 (VeriFone, Incorporated), 24 December, 1997 (24.12.97) &amp; AU, 97-36406, A1 &amp; US, 5889863, A Sections, "URL Descriptions" and "Thread-Safe vPOS-TID Allocation"</p>	1-29